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L2	1	state adj restoration adj logic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/20 10:01
L3	1	(microprocessor same restore same sav\$6) and (diagnostic adj3 module)	USPAT	OR	ON	2005/06/20 10:03
L4	1	(microprocessor same restore same sav\$6) and (diagnostic adj3 module)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/20 10:03
L5	16	("4433413" "5119378" "5157781").PN. OR ("5657330").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/20 10:24
L6	837	((703/17) or (712/220) or (707/206)).CCLS.	USPAT	OR	OFF	2005/06/20 10:25
L7	9	6 and-exception and handler and diagnostic	USPAT	OR	ON	2005/06/20 10:26

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L2	114	1 and diagnostic	USPAT	OR	ON	2005/06/20 12:11
L3	0	1 and (diagnostic adj3 module)	USPAT	OR	ON	2005/06/20 12:11
L4	27	2 and (instruction adj2 pipeline)	USPAT	OR	ON	2005/06/20 12:12

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D. Sriram, R. Joobbani

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The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

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Anita K. Jones, Peter Schwarz

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Alan Charlesworth, Nicholas Aneshansley, Mark Haakmeester, Dan Drogichen, Gary Gilbert, Ricki Williams, Andrew Phelps

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The Starfire interconnect extends the envelope of Unix symmetric multiprocessor (SMP) systems in several dimensions. **Interconnect:** an active centerplane with four address routers and a 16x16 data crossbar provides 64 UltraSPARC processors with uniform memory access at a bandwidth of 10,667 MBps. **Flexibility:** Starfire can be dynamically reconfigured into multiple hardware-protected operating system domains. **Robustness:** Failing boards can be hot swapped without interrupting sy ...

Keywords: SMP, UMA, bandwidth, domains, interconnect, latency, partitions

4 [A structural view of the Cedar programming environment](#)

Daniel C. Swinehart, Polle T. Zellweger, Richard J. Beach, Robert B. Hagmann

August 1986 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 8 Issue 4

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This paper presents an overview of the Cedar programming environment, focusing on its overall structure—that is, the major components of Cedar and the way they are organized.

Cedar supports the development of programs written in a single programming language, also called Cedar. Its primary purpose is to increase the productivity of programmers whose activities include experimental programming and the development of prototype software systems for a high-performance personal computer. T ...

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Software safety issues become important when computers are used to control real-time, safety-critical processes. This survey attempts to explain why there is a problem, what the problem is, and what is known about how to solve it. Since this is a relatively new software research area, emphasis is placed on delineating the outstanding issues and research topics.



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A number of high performance operating systems are now available for small computers on different hardware platforms. These operating systems offer many advanced features formerly reserved for their workstation and minicomputer counterparts. This article surveys the most widely used of such operating systems, namely OS/2, Windows NT, Linux and Macintosh System 7.5. It provides an account on the history, design objectives and evolution of these operating systems and discusses their key features, ...




Keywords: CP/M, DOS, Linux, Macintosh, Microcomputers, OS/2, Operating Systems, Small Computer Systems, Windows, Windows NT

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Keywords: adaptive signal processing, electrocardiogram, fetal monitoring instrumentation, human fetus, transabdominal recording

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